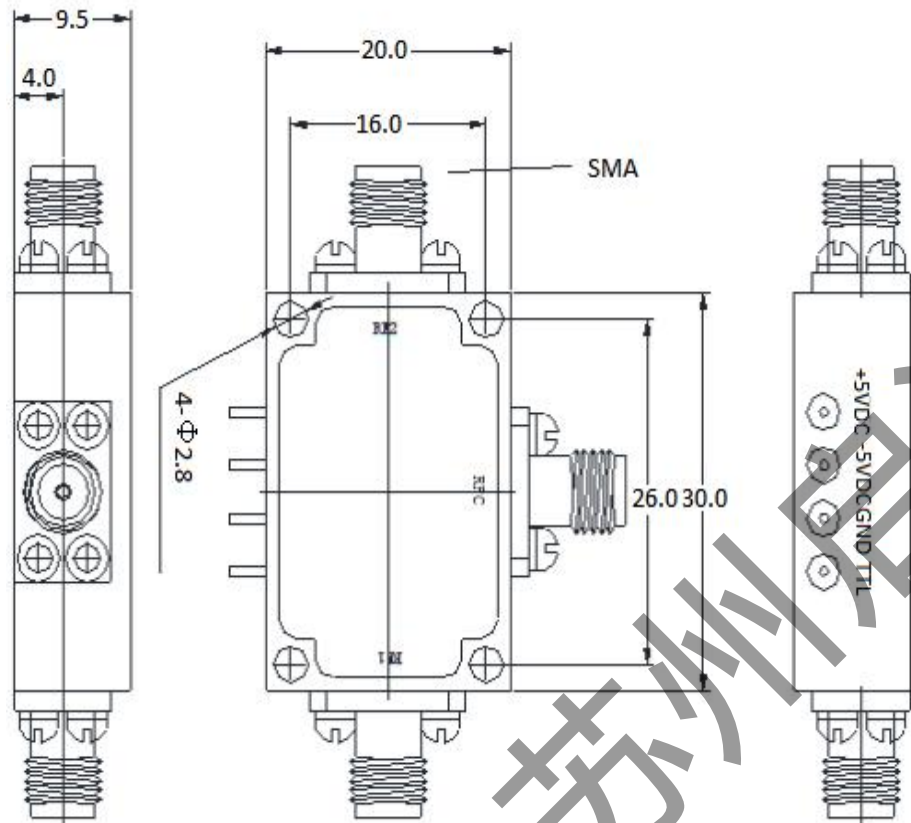


**SW-0.1G18G-2A-S** is a single pole, two throw, absorptive switch designed to operate over the 0.1 to 18GHz frequency range. This model is designed to handle 20dBm max input power. The switch offers fast switching speeds of 200nsec max., low insertion loss of 6.0dB max and high isolation of 50dB min. The DC supplies are 100mA @  $\pm 5$  V.

**Mechanical Outline(Unit: mm):**



**Specifications:**

Frequency:	0.1 to 18GHz
Insertion Loss:	5.0dB max @12G 6.0dB max @18G
Isolation:	60dB min @12G 50dB min @18G
Switching Speed:	200ns typical
Power Handling:	20dBm max
VSWR:	2.0:1 max
Voltage/Current:	100mA @ $\pm 5$ V
Control logic:	TTL 0: RF1 on TTL 1: RF2 on
Connectors:	SMA Female
Type:	Absorptive
Finish:	Gold plating

**Environmental Ratings:**

Temperature:	-25°C to +71 °C Operating -65 °C to +100 °C Non-Operating
Vibration:	MIL-STD-202F, Method 204D Cond. B
Altitude:	MIL-STD-202F, Method 105C Cond. B
Temperature Cycle:	MIL-STD-202F, Method 107D Cond. A

Pin Diode Switch SW-0.1G18G-2A-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 <b>CONNPHY</b> Microwave Inc. <a href="http://www.connphy.com">www.connphy.com</a> <a href="mailto:sales@qiidao.com">sales@qiidao.com</a>
CHECKRD:	DATE: 20/05/16	SHEET : 1 OF 1	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.